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To: "Hardy, Russell" <RussellHardy@consolenergy.com>, <pamgrubaughlittig@uta...>
Date: 10/4/2007 11:26 AM
Subject: Emery Subsidence Report
Attachments: Emery Subsidence 9-17-07.pdf

CC: <karlhouskeeper@utah.gov>, <waynewestern@utah.gov>, <SteveChristensen@ut...>
Please find attached the subsidence report for August.

Steve - September's report will be out after October 15th. Per Chapter 5 page 37 Consol committed to providing the subsidence report within a month of completing the data collection.

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Lucy J. J.
4/15/0015

Consolidation Coal Emery Mine Subsidence Report for August 2007

8-23-07 Panel 14 West – Same as the previous inspection, old cracks seem to be filling in. New cracks are still forming where we are mining. A couple of the new cracks are noted to be about 1 inch wide. Pictures were taken (see below). PB



8-30-07 Panel 14 West – Same as before new cracks are still forming where we are mining. Some of the old cracks have filled in enough to where they can't be found. PB

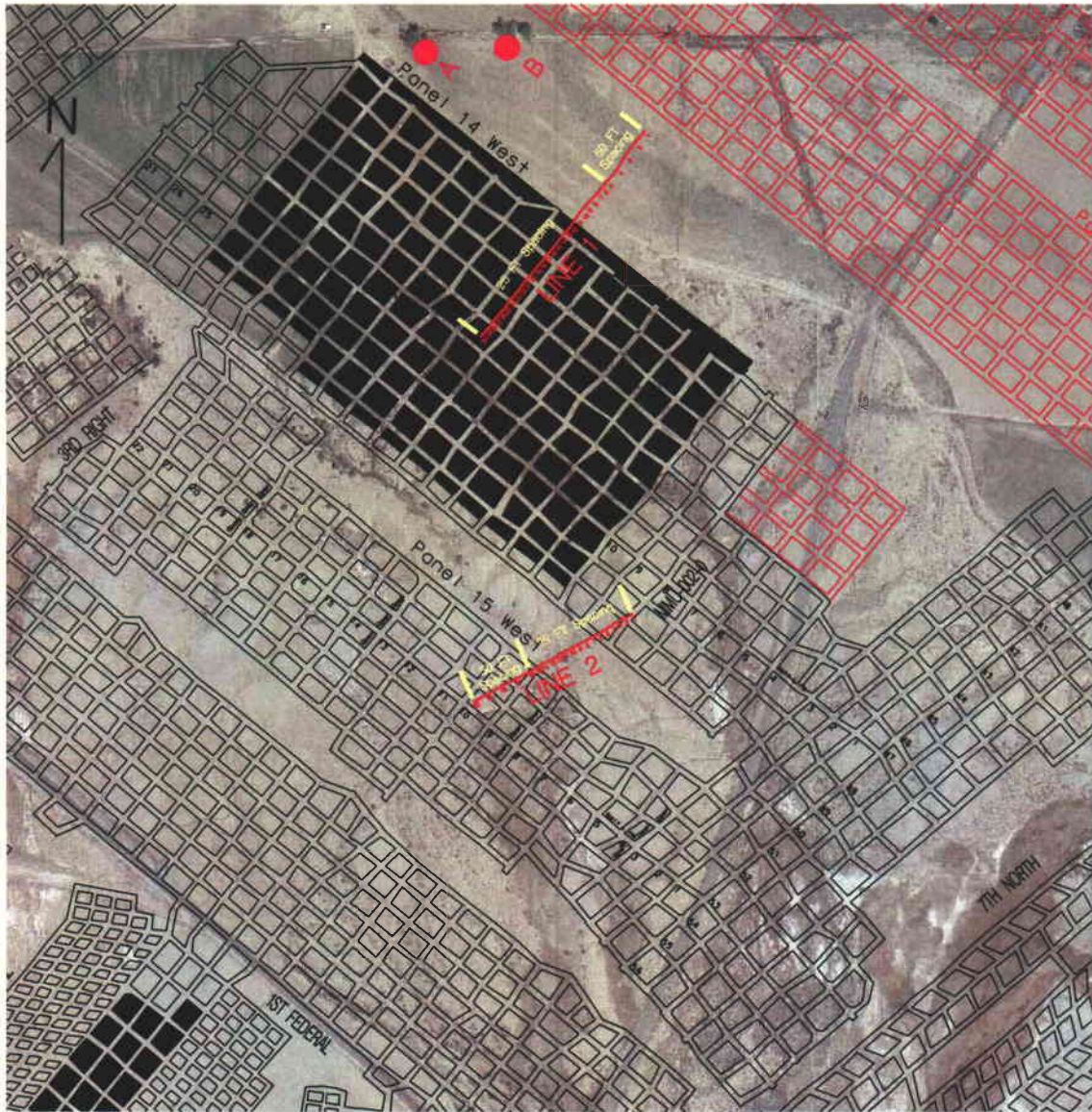
9-7-07 Panel 14 West – Still seems to be acting the same. New cracks are forming over where we are mining. The cracks are roughly ½" – 1" wide. PB

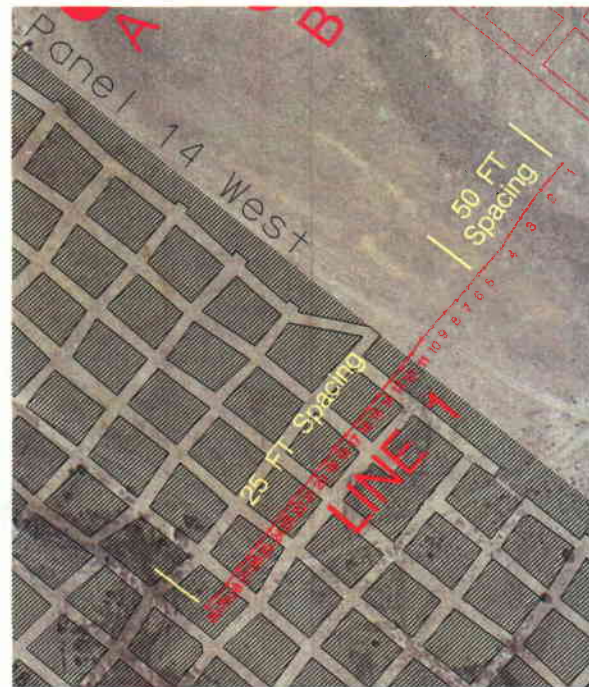
9-14-07 Nothing new over Panel 14 West. Cody Ware came and surveyed the subsidence over Panel 14 West. PB

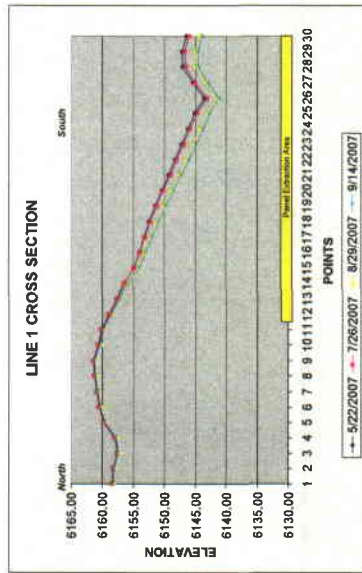
Below is a map with the locations of the subsidence lines for the attached spreadsheet.
Additionally, below is a summary of the flow data from SP-10 collected by Karla Knoop, from
JBR Environmental.

Consol Emery Mine
Panel 14th West
Bryant No. 1
Flow Measurements made at dam
breach
Measurements taken by Karla Knoop

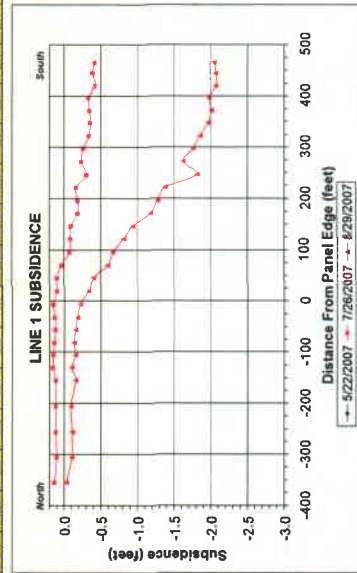
Date	Flow (gpm)
6/13/2007	77
7/24/2007	52
8/28/2007	75



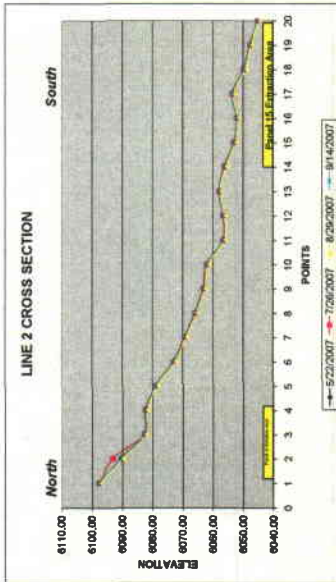


[illegible]

ELEVATION AND SUBSIDENCE FOR LINE 1 STATIONS															
Station	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0+000	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+050	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+100	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+150	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+200	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+250	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+300	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+350	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+400	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+450	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+500	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+550	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+600	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+650	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+700	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+750	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+800	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+850	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+900	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
0+950	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+000	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+050	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+100	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+150	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+200	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+250	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+300	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+350	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+400	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+450	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+500	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+550	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+600	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+650	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+700	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+750	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+800	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+850	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+900	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
1+950	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+000	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+050	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+100	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+150	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+200	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+250	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+300	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+350	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+400	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+450	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+500	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+550	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+600	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+650	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+700	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+750	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+800	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+850	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+900	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
2+950	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+000	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+050	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+100	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+150	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+200	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+250	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+300	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+350	153.30	155.18	155.40	155.60	155.82	156.04	156.25	156.44	156.61	156.78	156.94	157.10	157.25	157.41	157.56
3+400	153.30	155.18	155.40	155.60	155.82	156.04									



Line 2 Points	North	East	Elevation	Distance Between Points (ft)	Distance From Panel Edge (ft)
1	678334.7	170279.12	6067.75	24.88	24.88
2	678334.7	170279.12	6067.75	24.88	24.88
3	678334.7	170279.12	6067.75	24.88	24.88
4	678334.7	170279.12	6067.75	24.88	24.88
5	678334.7	170279.12	6067.75	24.88	24.88
6	678334.7	170279.12	6067.75	24.88	24.88
7	678334.7	170279.12	6067.75	24.88	24.88
8	678334.7	170279.12	6067.75	24.88	24.88
9	678334.7	170279.12	6067.75	24.88	24.88
10	678334.7	170279.12	6067.75	24.88	24.88
11	678334.7	170279.12	6067.75	24.88	24.88
12	678334.7	170279.12	6067.75	24.88	24.88
13	678334.7	170279.12	6067.75	24.88	24.88
14	678334.7	170279.12	6067.75	24.88	24.88
15	678334.7	170279.12	6067.75	24.88	24.88
16	678334.7	170279.12	6067.75	24.88	24.88
17	678334.7	170279.12	6067.75	24.88	24.88
18	678334.7	170279.12	6067.75	24.88	24.88
19	678334.7	170279.12	6067.75	24.88	24.88
20	678334.7	170279.12	6067.75	24.88	24.88



POINTS	5/22/2007	7/26/2007	8/29/2007	8/14/2007
1	6067.75	6067.75	6067.75	6067.75
2	6067.75	6067.75	6067.75	6067.75
3	6067.75	6067.75	6067.75	6067.75
4	6067.75	6067.75	6067.75	6067.75
5	6067.75	6067.75	6067.75	6067.75
6	6067.75	6067.75	6067.75	6067.75
7	6067.75	6067.75	6067.75	6067.75
8	6067.75	6067.75	6067.75	6067.75
9	6067.75	6067.75	6067.75	6067.75
10	6067.75	6067.75	6067.75	6067.75
11	6067.75	6067.75	6067.75	6067.75
12	6067.75	6067.75	6067.75	6067.75
13	6067.75	6067.75	6067.75	6067.75
14	6067.75	6067.75	6067.75	6067.75
15	6067.75	6067.75	6067.75	6067.75
16	6067.75	6067.75	6067.75	6067.75
17	6067.75	6067.75	6067.75	6067.75
18	6067.75	6067.75	6067.75	6067.75
19	6067.75	6067.75	6067.75	6067.75
20	6067.75	6067.75	6067.75	6067.75

